

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Project Cost Estimate, App. D	Actual Costs	Project Estimated Start Date	Actual Start Date	Actual Completion Date	Regulatory Completion Date	Remarks
South District WWTP	1.1	Headworks	728,343		4/4/2015	2/2/2015		2/23/2020	
	1.2	Oxygen Production	7,549,529		1/1/2015	4/9/2015		12/12/2019	On September 14, 2017, the EPA approved a 90 day extension of the compliance date to December 12, 2019.
	1.3	Oxygenation Trains	18,121,319		11/1/2016	2/2/2015		11/16/2025	
	1.4	Chlorine Building	2,520,707		12/1/2018			6/1/2022	
	1.5	Effluent Pump Station	27,010,183		9/1/2016	11/19/2013		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274		7/3/2014	7/3/2014		9/24/2022	
	1.7	Digesters and Control Buildings	48,532,291		11/1/2013	7/3/2014		10/28/2021	
	1.8	Dewatering Facility	16,608,534		10/22/2014	4/13/2015		11/28/2019	
	1.9	FOG Removal Facility	928,077		11/1/2013	7/8/2014		4/6/2018	
	1.10	Odor Control	8,130,067		12/1/2018			4/25/2023	
	1.11	General Electrical	12,165,144		11/1/2016	4/9/2015		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601		8/1/2016	10/1/2015		6/18/2021	
		<b>Subtotal:</b>	<b>154,476,068</b>	-					
Central District WWTP	2.1	Electrical Improvements	28,392,361		1/1/2017	6/11/2014		3/6/2020	
	2.2	Building improvements	5,673,576		3/26/2014	3/26/2014		9/6/2017	Notification of force majeure submitted to EPA. Pending EPA/FDEP response.
	2.3	Headworks Plant 1	20,637,859		9/1/2014	10/6/2014		10/22/2017	WASD submitted an extension request due to unforeseen conditions. EPA/FDEP is reviewing the request.
	2.4	Headworks Plant 2	20,891,336		9/1/2014	10/6/2014		5/22/2018	
	2.5	Oxygenation Trains Plant 1	6,882,836		3/1/2011	3/1/2011		4/15/2018	
	2.6	Oxygenation Trains Plant 2	15,957,546		3/1/2011	3/1/2011		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245		4/1/2021			8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220		6/1/2016	3/10/2016		9/12/2023	
	2.9	RS Pump Stations Plant 1	9,441,453		4/1/2021			8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201		6/1/2016	3/11/2016		9/12/2023	
	2.11	Effluent Pump Station	9,926,072		1/1/2017	8/24/2016		5/9/2020	
	2.12	Sludge Thickeners Plant 1	11,156,240		10/3/2016	4/30/2015		4/23/2021	
	2.13	Sludge Thickeners Plant 2	9,552,318		6/11/2014	6/11/2014		10/23/2019	
	2.14	Digesters Plant 1	60,684,546		5/1/2020			1/19/2026	
	2.15	Digesters Plant 2	122,761,868		6/11/2014	6/11/2014		8/19/2022	
	2.16	Dewatering Building	99,952,854		6/1/2016	5/1/2015		8/7/2021	
	2.17	Chlorination Facilities	16,713,956		10/1/2013	10/1/2013		9/29/2017	WASD submitted a delay Notification Letter to amend the regulatory completion date. EPA/FDEP is reviewing the request.
	2.18	Odor Control Systems	20,208,323		10/1/2016	10/6/2014		7/9/2020	
	2.19	Co-Gen Facility	30,311,204		11/22/2012	11/22/2012		3/31/2019	
	2.20	Septage Unloading	29,061,616		11/1/2018			6/3/2022	Project is cancelled.
	2.21	Pump Station 1	11,575,513		10/1/2016	8/13/2015		10/23/2019	
2.22	Pump Station 2	5,371,361		10/1/2014	4/15/2015		10/22/2017	WASD has submitted a force majeure update letter to amend the regulatory completion date. EPA/FDEP is reviewing the request.	
2.23	O2 Plant Process Controls Phase 2	482,909	661,861	10/1/2013	10/1/2013	10/14/2016	3/9/2017	Completed	
2.24	Gas Monitoring	334,913	996,451	3/7/2015	4/13/2015	9/29/2017	9/19/2017	Completed 10 days after Compliance Date. WASD has submitted a force majeure claim. EPA/FDEP is reviewing the request.	
2.25	Ventilation Improvements	2,766,973		1/1/2021	6/11/2014		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405		10/1/2013	10/1/2013		9/27/2027		
2.27	Oxygen Production	26,503,191		1/1/2015	4/16/2015		12/30/2019		
2.28	SCADA RTU Upgrades	396,000	341,545	10/1/2013	10/1/2013	2/10/2014	3/29/2014	Completed	
2.29	High Strength Influent Impact Study	1,544,400	1,042,081	2/12/2013	2/12/2013	6/5/2014	6/24/2014	Completed	
		<b>Subtotal:</b>	<b>596,338,296</b>	<b>3,041,938</b>					

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Project Cost Estimate, App. D	Actual Costs	Project Estimated Start Date	Actual Start Date	Actual Completion Date	Regulatory Completion Date	Remarks
North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	27,043,712	3/20/2013	3/20/2013	12/6/2017	4/7/2018	Completed ahead of Compliance Date.
	3.2	Primary Clarifiers and Odor Control	47,630,971		5/5/2015	9/3/2014		4/18/2021	
	3.3	Oxygenation Trains	26,824,143		1/1/2019			1/17/2024	
	3.4	Oxygen Production	7,139,589		4/1/2020			1/12/2024	
	3.5	Secondary Clarifiers	81,645,502		12/1/2018	8/28/2014		8/24/2027	
	3.6	Disinfection	18,721,749		4/21/2014	4/21/2014		9/9/2020	
	3.7	Effluent Disposal	27,500,829		8/5/2014	2/21/2014		12/28/2021	
	3.8	Plant Wide Electrical	18,859,689		5/21/2014	5/1/2014		8/20/2022	
	3.9	Flood Mitigation	4,327,589	726,074	4/21/2014	5/1/2014	6/24/2016	8/13/2017	Completed
	3.10	Yard Piping Replacement	4,901,560	214,249	11/1/2015	4/5/2015	5/24/2016	12/4/2021	Completed
3.11	SCADA RTU Upgrades	1,200,320	971,666	10/1/2013	9/30/2013	11/26/2014	3/24/2015	Completed	
<b>Subtotal:</b>			<b>270,529,817</b>	<b>28,955,701</b>					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762		10/1/2013	10/1/2013		9/27/2027	
	4.2	Government Cut FM - Phase 1 & 2	35,187,000	101,808,037	10/1/2012	10/1/2011	9/30/2013	9/30/2013	This project started on 03/23/2009, at the time, this project was not a Consent Decree project. This project became a Consent Decree project on October 1, 2012 while the negotiations were taking place with the State and the Federal Government regarding the Consent Decree. Approximately \$59 million was spent between 03/23/2009 and 10/1/2012 for work related to the installation of the 60-inch sewer force main and the 20-inch water main. In addition, other expenses included extending the 60-inch sewer force main from the water shaft to South Pointe Park and to the Alton Road tie-in. After this project was added as a Consent Decree project in October 2012, only \$35 million was required to complete the project.
	4.3	Government Cut FM - Phase 3	117,376,121	82,283,385	10/1/2012	1/30/2013	11/23/16	4/8/2017	Completed
	4.4	North Dade 72 inch PCCP FM Rehabilitation	23,764,116	19,170,922	10/1/2013	2/1/2013	5/5/2016	3/5/2018	Completed
	4.5	South Dade 54 inch PCCP FM Rehabilitation	18,570,705		8/5/2014	8/5/2014		11/27/2017	WASD submitted a delay Notification Letter to amend the regulatory completion date. EPA/FDEP is reviewing the request.
	4.6	Replacement of Tamiami Canal Aerial Crossing FM's at NW 37th Ave	727,443	659,199	10/1/2013	12/11/2012	8/11/2014	10/29/2016	Completed
	4.7	Replacement of 18 inch DIP FM in Miami Lakes	2,323,333	1,009,622	11/1/2013	3/11/2012	12/7/2015	4/9/2017	Completed
	4.8	Rehabilitation of 54 inch PCCP FM in the City of Miami	10,842,213	10,109,173	10/6/2014	3/12/2015	6/16/2017	5/28/2017	Completed. On January 11, 2018, the EPA decided not to assess penalties for this project due to Force Majeure events. On September 14, 2017, the EPA approved a final completion date for CD 4.8 of May 28, 2017.
	4.9	Replace Approximately 30 miles of AC FM Transmission System	52,708,893		11/1/2013	8/28/2012		10/8/2019	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622		10/6/2014	12/17/2014		1/28/2018	
<b>Subtotal:</b>			<b>423,707,208</b>	<b>215,040,337</b>					

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Project Cost Estimate, App. D	Actual Costs	Project Estimated Start Date	Actual Start Date	Actual Completion Date	Regulatory Completion Date	Remarks	
Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869		11/1/2013	11/1/2013		11/24/2018		
	5.2	Upgrade of PS#0691	6,007,492		10/7/2014	11/26/2014		1/27/2019	On April 14, 2016, the EPA and FDEP approved Miami-Dade's request to modify the scope of this project to read, "Connect the City of Homestead's PS1, once completed, to the South District Wastewater Treatment Plant (SDWWTP) Transmission System and decommission PS 0691". WASD will monitor the Homestead project to comply with the EPA schedule.	
	5.3	Upgrade of PS#0692	6,007,492		10/7/2014	11/26/2014		1/27/2019		
	5.4	Replacement of Switchgear PS#0414	1,481,438		10/7/2014	2/9/2015		5/9/2018		
	5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	4,805,995		10/7/2014	2/9/2015		1/27/2019		
	5.6	Replacement of Switchgear PS#0416	1,481,438		10/7/2014	2/6/2015		5/9/2018		
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999		10/7/2014	2/6/2015		1/27/2019		
	5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	4,004,992		10/7/2014	6/9/2015		1/27/2019		
	5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	4,543,072		10/7/2014	11/24/2014		5/9/2018	Scope of the project has changed. A change request was submitted to EPA for approval.	
	5.10	Upgrade of PS#0488	2,962,877	801,445	10/7/2014	4/3/2015	12/8/2016	5/9/2018	Completed	
	5.11	Installation of 48-inch FM from Kendall Dr. to the suction side of PS 0536.	5,925,746		10/7/2014	12/17/2014		5/9/2018		
	5.12	Replacement of Switchgear at PS#0187	3,555,449		10/7/2014	2/25/2015		5/9/2018		
	5.13	Refurbish Emergency Generators and Controls at Regional Pump stations	3,054,141	543,066	9/2/2014	9/12/2014	2/4/2016	7/20/2016	Completed	
	5.14	Upgrade of PS #0086, 0492	2,127,389	1,216,965	10/8/2012	3/19/2012	12/31/2013	12/31/2013	Completed	
	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671	4,428,888	1/1/2014	12/12/2010	12/30/2015	12/31/2015	Completed	
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369			1/2/2015	5/1/2015		12/31/2016	WASD submitted a delay letter to amend the regulatory completion date. EPA/FDEP is reviewing the request.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342			1/2/2016	12/22/2015		12/31/2017	
	5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	7,526,751			3/15/2017	3/9/2017		12/31/2018	
	5.19	SCADA RTU Upgrades	10,003,462	5,148,595		10/1/2013	10/1/2013	11/23/2015	3/18/2016	Completed
<b>Subtotal:</b>			<b>105,582,981</b>	<b>12,138,959</b>						
<b>Total Project Expenses:</b>			<b>1,550,634,370</b>	<b>259,176,935</b>				<b>9/27/2027</b>		
<b>No stipulated penalties paid this reporting period</b>										